THE OFFICIAL WESTSAT COMMUNICATIONS

SATELLITE CHANNEL CHART®

THE MOST ACCURATE AND UP-TO-THE-MINUTE LISTING OF ALL VIDEO AND ANALOG SUBCARRIER AUDIO PROGRAMMING SERVICES ON THE NORTH AMERICAN C & KU BAND SATELLITES

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HUGHES GALAXY 1 (134°W)

Polarization: ODD—Horizontal EVEN—Vertical

TR—1 **HBO** (Home Box Office) (East)—first run movies, sports events and entertainment specials (fully encrypted/GI VIDEOCIPHER II)

TR—2 **THE NASHVILLE NETWORK**—premium country music/entertainment (5.58 & 5.76 discrete stereo /6.8 mono)

TR—3 **WGN-TV,** Chicago—Midwest's leading independent station (fully encrypted/GI VIDEOCIPHER II)

TR—4 **THE DISNEY CHANNEL** (East)—premium family entertainment from the Disney studios (5.8 & 6.8 matrix stereo)

TR—5 **SHOWTIME** (East)—first-run movies & entertainment specials (fully encrypted/GI VIDEOCIPHER II)

TR—6 **UNIVISION** Spanish language entertainment and informational programming (6.8)

TR—7 **CNN** (Cable News Network)—24hr/day news (fully encrypted GI VIDEOCIPHER II)

TR—8 **CNN HEADLINE NEWS**—CNN newsbrief headline service (fully encrypted GI VIDEOCIPHER II)

TR—9 **ESPN**—24 hr/day sports programming/Nation's Business News (fully encrypted/GI VIDEOCIPHER II)

TR—10 **THE MOVIE CHANNEL** (East)—24-hr/day first-run movies (fully encrypted GI VIDEOCIPHER II)

TR—11 **CBN CABLE NETWORK** —religious/general family entertainment (fully encrypted/GI VIDEOCIPHER II)

TR—12 **REQUEST TV**—24 hr/day pay-per-view movie service (fully encrypted GI VIDEOCIPHER II)

TR—13 **C-SPAN/HOUSE**—live coverage from the House of Representatives (6.8)

TR—14 **THE MOVIE CHANNEL** (West)—24hr/day first run movies (fully encrypted GI VIDEOCIPHER II)

TR—15 **WWOR-TV,** Secaucus, New Jersey—the Northeast's top-rated independent station (fully encrypted GI VIDEOCIPHER II)

TR—16 **EWTN** (Eternal Word TV Network)—religious (6.2/6.8) (effective 9-1-87 thru 9-30-87)
SHOWTIME (West)—first run movies & entertainment specials (fully encrypted/GI VIDEOCIPHER II) (begins 10-1-87)

TR—17 **PTL-THE INSPIRATIONAL NETWORK** (People That Love)—religious (5.58 & 5.76 discrete stereo/ 6.8 mono)

TR—18 **SUPERSTATION TBS**—Ted Turner's Superstation from Atlanta (fully encrypted/GI VIDEOCIPHER II)

TR—19 **HOME BOX OFFICE CINEMAX** (East)—time-structured HBO (fully encrypted GI VIDEOCIPHER II)

TR—20 **GALAVISION**—premium Spanish oriented entertainment programming (6.8)

TR—21 **USA NETWORK** (East)—syndicated variety and sports events programming (fully encrypted/ GI VIDEOCIPHER II)

TR—22 **DISCOVERY NETWORK**—science/nature documentary programming (6.8)
VIDEO SHOPPING MALL—Shop-at-home service (6.2/6.8)

TR—23 **HBO** (Home Box Office)(East)—first run movies, sports events and entertainment specials (fully encrypted GI VIDEOCIPHER II)

TR—24 **THE DISNEY CHANNEL** (West)—premium family entertainment from the Disney studios (5.8 & 6.8 matrix stereo)

Audio Subcarrier Services on GALAXY 1

TR—3 **SEEBURG 1**—easy listening background music (6.075 mono)
SEEBURG 2—easy listening background music (6.165 mono)
WFMT (FM) Chicago—fine arts/classical radio (6.3/6.48 discrete stereo)

TR—7 **CNN RADIO NETWORK**—all news radio feed (6.3)

TR—11 **CABLE JAZZ NETWORK**—jazz music format (5.94/6.12 discrete stereo)
CBN RADIO NETWORK—contemporary Christian music (6.30/6.48 discrete stereo)
NICE & EASY—easy listening music (7.38/7.56 discrete stereo)

continued on next page

TR—15 **WQXR (FM)** New York—classical radio format (6.3/6.48 discrete stereo)
THE GREEK NETWORK—Greek ethnic radio format (7.335 mono)

TR—17 **SATELLITE RADIO NETWORK**—contemporary/religious format (6.2)

GE SATCOM 3R (131°W)

Polarization: ODD—Vertical
EVEN—Horizontal

TR—1 **NICKELODEON** (East)—premium children's programming (6.8)

TR—2 **THE LEARNING CHANNEL** (Appalachian Community Service Network)—educational (6.8)

TR—3 **TBN** (Trinity Broadcasting Network)—religious (6.8)

TR—4 **FNN** (Financial News Network)—financial/business reporting with stock market readings (6.8)
SCORE—live/taped sports events and information update service (6.8)
TELSHOP—Shop-at-home service (6.2/6.8)

TR—5 **VIEWER'S CHOICE 1**—24 hr/day pay-per-view movie service (fully encrypted GI VIDEOCIPHER II)

TR—6 **TEMPO TELEVISION**—variety entertainment (7.38 & 7.56 discrete stereo/6.8 mono)

TR—7 **ESPN BLACKOUT NETWORK & PROMO CHANNEL**—part-time alternate sports programming for regional blackout applications (6.8)
NBT (Nation's Business Today)—business news & special features reporting (6.2/6.8)
HBO PROMO CHANNEL (6.2/6.8)
ARTS & ENTERTAINMENT PROMO CHANNEL (6.2/6.8)

TR—8 **QVC NETWORK**—quality product shop-at-home service (6.8)

TR—9 **USA NETWORK** (West)—syndicated variety and sports events programming (fully encrypted/GI VIDEOCIPHER II)

TR—10 **SHOWTIME** (West)—first-run movies, entertainment specials (6.8) (fully encrypted GI VIDEOCIPHER II)

TR—11 **MTV** (Music Television)—Pop/Rock Video (5.8 & 6.62 matrix stereo)

TR—12 **CVN** (Cable Value Network)—shop-at-home service (6.8)

TR—13 **HBO** (Home Box Office)(West)—first-run movies, sports & entertainment specials (fully encrypted GI VIDEOCIPHER II) (6.8)

TR—14 **CNN** (Cable News Network) Contract Channel—incoming regional bureau news feeds (6.2/6.8)

TR—15 **VH-1** (Video Hits One)—adult contemporary music video (6.8 mono/7.4 digital stereo)

TR—16 **THE TRAVEL CHANNEL**—worldwide travel features/information promotion service (6.2/6.8)

TR—17 **LIFETIME**—health and personal improvement programming (6.2/6.8)

TR—18 **REUTER'S MONITOR SERVICE**—commodity/stock market information (digital video)

TR—19 **THE WEATHER CHANNEL**—24 hr/day national & regional weather/environmental reporting (6.8)

TR—20 **BET** (Black Entertainment Network)—black-oriented variety entertainment, sports events & music videos (6.8/7.38 discrete stereo)

TR—22 **HSC** (Home Shopping Club)—shop-at-home service (6.2/6.8)

TR—23 **HBO CINEMAX** (West)—time-structured HBO (fully encrypted GI VIDEOCIPHER II)

TR—24 **ARTS & ENTERTAINMENT** (Alpha Repertory Television Service)—performing and cultural arts programming (5.58 & 5.76 discrete stereo/6.2/6.8 mono)

Audio Subcarrier Services on SATCOM 3R

TR—3 **KYMS(FM)** Santa Ana, CA—Christian contemporary music (6.12/6.3 discrete stereo)

TR—4 **CABLE RADIO NETWORK** (5.4 mono)
SATELLITE JAZZ NETWORK—contemporary/traditional jazz music from KKGO-FM, Los Angeles (5.58/5.76 discrete stereo)
KILA-FM, Las Vegas, NV—adult Christian music & talk-radio format (6.3 & 6.48 discrete stereo)

TR—6 **TEMPOSOUND/COUNTRY & WESTERN** (5.4/5.94 discrete stereo)
TEMPOSOUND/ADULT CONTEMPORARY (5.58/5.76 discrete stereo)
TEMPOSOUND/50's, 60's & 70's (6.435 mono)
TEMPOSOUND/ALBUM ORIENTED ROCK (7.38/7.56 discrete stereo)
TEMPOSOUND/COMEDY SPECIALS (7.695 mono)
TEMPOSOUND/BIG BAND (7.785 mono)
IN-TOUCH—newspaper & book reading service for the sight-impaired (7.875 mono)

TR—12 **WCCO-AM,** Minneapolis-St. Paul, MN—talk-radio & news information format (5.94/6.12 mono)

TR—16 **WNWK-FM,** Newark, NJ—multilingual/multiethnic variety programming (6.2 mono)

ALASCOM AURORA (143°W)

Polarization: ODD—Vertical
EVEN—Horizontal

TR—6 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.8)
TR—19 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.8)
TR—21 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.8)
TR—24 **ALASKA SATELLITE TELEVISION PROJECT**—various network & independent programming (5.8)

Audio Subcarrier Services on ALASCOM AURORA

TR—24 **KSKA-FM,** Anchorage, AK—Alaska Public Radio affiliate (7.38/7.56 discrete stereo)

GE SATCOM 1R (139°W)

Polarization: ODD—Vertical
EVEN—Horizontal

TR—2 **KUSA-TV,** Denver—ABC Network affiliate (fully encrypted GI VIDEOCIPHER II)
TR—4 **KCNC-TV,** Denver—NBC Network affiliate (fully encrypted GI VIDEOCIPHER II)
TR—5 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—6 **KMGH-TV,** Denver—CBS Network affiliate (fully encrypted GI VIDEOCIPHER II)
TR—7 **PRIME TICKET**—Southern California regional sports network featuring Laker's Basketball & King's Hockey (6.2/6.8)
FNN (Financial News Network)—financial business reporting with stock market readings (6.2/6.8)
TELSHOP—shop-at-home service (6.2/6.8)
TR—8 **NBC TELEVISION NETWORK**—NBC regularly scheduled network programming (Eastern time zone feed) (5.8/6.2/6.8 stereo)
TR—9 **NBC TELEVISION NETWORK**—occasional network sports events feeds (6.2/6.8)
TR—12 **KRMA-TV,** Denver—PBS Network affiliate (fully encrypted GI VIDEOCIPHER II)
TR—15 **CVN** (Cable Value Network)—shop-at-home service (6.2/6.8)
TR—16 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—17 **THREE ANGELS BROADCASTING**—religious (6.2/6.8)
TR—18 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.8)
WORLDNET/USIA-TV—U.S. Information Service worldwide daily program feed (6.2/6.8)
TR—20 **KDVR-TV,** Denver—independent Denver station (fully encrypted/GI VIDEOCIPHER II)
TR—22 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—24 **KTV,** Denver—independent, cable-affiliate station (6.8)

Audio Subcarrier Services on SATCOM 1R

TR—7 **KSHO-AM,** Hesperia, CA—musical/show music format (5.58 mono)
KNX-FM, Los Angeles, CA—adult contemporary music format (5.76 mono)

CONTEL ASC 1 (128°W)

Polarization:
C-Band (36 Mhz/1-6)—Horizontal
C-Band (36 Mhz/7-12)—Vertical
C-Band (72 Mhz/13-15)—Horizontal
C-Band (72 Mhz/16-18)—Vertical
Ku-Band (72 Mhz)—Horizontal

C-BAND/36 MHZ TRANSPONDERS:

NO VIDEO

C-BAND/72 MHZ TRANSPONDERS:

NO VIDEO

KU-BAND/72 MHZ TRANSPONDERS:

TR—23 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

ATT TELSTAR 303 (125°W)

Polarization: ODD—Vertical EVEN—Horizontal

TR—2V(3) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—4H(8) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (5.8/6.2/6.8)
TR—6V(11) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—7V(13) **CMTV** (Country Music Television)—video country music (5.58 & 5.76 discrete stereo/6.8 mono)
TR—9V(17) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—10H(20) **KTVT,** Ft. Worth/Dallas—Texas independent superstation (fully encrypted/GI VIDEOCIPHER II)
TR—12V(23) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

Audio Subcarrier Services on TELSTAR 303

TR—11H(20) **USA RADIO NETWORK** (6.3/6.48 mono)

WU WESTAR 5 (122.5°W)

Polarization: ODD—Horizontal EVEN—Vertical

TR—1D(1) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
BORESIGHT—home TVRO industry news & features (6.2/6.8)
TR—1X(2) **THE UNIVERSITY NETWORK**—religious programming with Dr. Eugene Scott (6.2/6.8)
TR—2D(3) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
ABLE TELECOMMUNICATIONS—religious (6.2/6.8)
AGRI-SAT (Agricultural Information Satellite Network)—agriculture and farm news reports (6.2/6.8)
THE SATELLITE SHOW—home TVRO industry news & features (6.2/6.8)
TR—3D(5) **CITICORP**—not in use
HUGHES TELEVISION NETWORK—sports events feeds (6.2/6.8)
TR—4D(7) **CBS TELEVISION NETWORK CONTRACT CHANNEL**—occasional live/taped network feeds (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)
TR—4X(8) **GROUP W SATELLITE COMMUNICATIONS**—not in use
PASS (ProAm Sports)—regional Michigan-area sports network (6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)
TR—6D(11) **WOLD COMMUNICATIONS**—occasional transmissions, sport events, news & network feeds (6.2/6.8)
CTNA (Catholic Telecommunications Network of America)—religious (fully encrypted/OAK ORION) (transfers from W5/9D on 8-1-87)
AMERICA'S SHOPPING PLACE—shop-at-home service (6.2/6.8)
MAYWOOD PARK HORSE RACING—live closed-circuit horse racing from Maywood Park Race Track (fully encrypted/OAK ORION)
TR—8D(15) **TVSC** (Television Videotape Satellite Communications)—VIDSAT/SYNSAT distribution (6.2/6.8)
HUGHES TELEVISION NETWORK—sports events return feeds (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)
TR—9X(18) **TVSC** (Television Videotape Satellite Communications)—VIDSAT/SYNSAT distribution (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)
TR—10X(20) **TAFT BROADCASTING**—occasional transmissions: sports events, news & network feeds (6.2/6.8)
TELEBET RACING ALIVE—daily live closed circuit horseracing from Penn National race track (fully encrypted/OAK ORION)
AGDAY—Agriculture and farm news reports (6.8)
TR—11D(21) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
HUGHES TELEVISION NETWORK—closed-circuit horse racing TBA
TR—12D(23) **CSS** (Caribbean Super Station)—Caribbean Islands network featuring movies, information and entertainment specials (6.2/6.8)
TR—12X(24) **TAFT BROADCASTING**—occasional transmissions: sports events, news & network feeds (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)

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Audio Subcarrier Services on WESTAR 5

TR—6D(11) **CTNA RADIO NETWORK**—religious (6.2)
TR—7D(13) **SATELLITE MUSIC NETWORK/Z ROCK**—rock music format (1.23/1.41 discrete stereo)
MOODY BROADCASTING NETWORK—religious (1.77/4.29 discrete stereo)
SATELLITE MUSIC NETWORK/STARDUST—traditional MOR music format (2.13/2.31 discrete stereo)
SATELLITE MUSIC NETWORK/HEART & SOUL—nostalgia music format (2.49/2.67 discrete stereo)
SATELLITE MUSIC NETWORK/PURE GOLD—golden oldies format (2.85/3.03 discrete stereo)
SATELLITE MUSIC NETWORK/COUNTRY COAST-TO-COAST—modern country format (3.57/3.75 discrete stereo)
SATELLITE MUSIC NETWORK/STARSTATION—adult contemporary format (3.93/4.11 discrete stereo)
INTERNATION BROADCAST NETWORK (4.83 mono)
USA RADIO NETWORK (5.01 mono)
TR—9X(18) **MUZAK**—MOR easy listening foreground music (5.41 mono)
MUZAK TONES—easy listening foregound music (5.58 mono)
MUZAK—easy listening background music (5.76 mono)
SBN—(Sheridan Broadcasting News) (7.38/7.56 discrete stereo)

GTE SPACENET 1 (120°W)

Polarization:
C-Band (36 Mhz)—Horizontal
C-Band (72 Mhz)—Vertical
Ku-Band (72 Mhz)—Horizontal

C-BAND/36 MHZ TRANSPONDERS:

TR—1(1) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
AFTER HOURS—"X"-rated adult movies & entertainment (fully encrypted/TELEASE SAVE)
SKYSTORE—TVRO satellite equipment shop-at-home service (6.2/6.8)
TR—2(3) **AMERICAN EXXXTASY**—"X"-rated adult movies & entertainment (partially encrypted GI VIDEOCIPHER II)
TR—3(5) **CTN** (Christian Television Network)—religious programming (6.8)
TR—4(7) **BONNEVILLE SATELLITE**—occasional transmissions: sports events, news & network feeds (6.2/6.8)
" **LESEA BROADCASTING**—religious (6.2/6.8)
HOSPINET—hospital teleconference network (fully encrypted/OAK POLARIS)
TR—5(9) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2)
FIRST RUN PROMO CHANNEL (6.2/6.8)
HIN (Healthcare Information Network)—health & medical informational programming (6.8)
TR—6(11) **HSN** (Hospital Satellite Network)—premium entertainment and medical programming subscription service for hospitals (fully encrypted/OAK ORION)
AHA (American Hospital Association)—periodic hospital administrative teleconferencing (fully encrypted/OAK ORION)
TR—7(13) **SELEC-TV**—STV/SMATV FEED—first-run movies and adult entertainment (fully encrypted/GI VIDEOCYPHER II)
TR—8(15) **ACTS** (American Christian Television System)—Southern Baptist Convention religious network (6.8)
TR—9(17) **OCCASIONAL TRANSMISSIONS**—sports events news & network feeds (6.2/6.8)
TR—10(19) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
DISCOVERY BROADCAST NETWORK—religious (6.2/6.8)
TR—11(21) **BTN** (Baptist Television Network)—Baptist instructional television service (fully encrypted/OAK ORION)
LIFEWAY—shop-at-home & religious programming (6.2/6.8)
VMT (Vanderbilt Medical Television)—clinical teaching conferences from Vanderbilt University Medical Center (fully encrypted/OAK ORION)
TR—12(23) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2)

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C-BAND/72 MHZ TRANSPONDERS:

TR—16U(16) **UNIVISION/GALAVISION** —internal network return newsfeed channel (6.2/6.8)
TR—17L(18) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2)
AMERICAN EXXXTASY—"X"-rated adult movies & entertainment (partially encrypted/GI VIDEOCIPHER II)
TR—17U(20) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2)
WASHINGTON STATE LOTTERY—(6.2/6.8)

KU-BAND/108 MHZ TRANSPONDERS:

TR—21 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—23 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—24 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

Audio Subcarrier Services on SPACENET 1

TR—2(3) **THRIFTWAY STORES SATELLITE NETWORK**—background music for Thriftway Store chain (6.12 mono)
FM AMERICA—home TVRO satellite talk-show format (6.2)
TR—3(5) **WCIE-FM,** Lakeland, FL—christian religious format (5.58/5.76 discrete stereo/7.5 mono)
TR—8(15) **INSTORE SATELLITE NETWORK**—background music for Safeway store chain (5.4/5.76/7.38/7.92/8.1 mono)
KPLX-FM, Ft. Worth, TX—country & western music format (8.28 mono) (temporary test signal)
TR—9(17) **INSTORE SATELLITE NETWORK**—background music for Safeway Store Chain (5.4/5.76/7.38/7.56/7.74/7.92 mono)
KSAT—nightly home TVRO variety talk-show format (6.8 mono)
KOFY-AM, San Mateo, CA—50's & 60's golden oldies format (6.8 mono)
PAYLESS SATELLITE NETWORK—background music for Payless store chain (8.1 mono)
TR—11(21) **LIN**—(Lighthouse Inspirational Network)—country gospel music (6.2)
WET & WILD RADIO NETWORK—album oriented rock format (7.3 mono)

ANIK C3 (Ku) (117.5°W)

Polarization: T1-T16: Vertical
T17-T32: Horizontal
(W)—Western Beam
(E)—Eastern Beam

TR—T3(W) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (5.41)
TR—T4(W) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (5.41)
TR—T8(W) **KNOWLEDGE NET 1** (5.41)
TR—T9(W) **ALBERTA ACCESS** (5.41)
TR—T12(W) **FIRST CHOICE/SUPERCHANNEL** (West) (5.41)
TR—T13(W) **CHSC** (Canadian Home Shopper's Club) (5.41)
TR—T14(W) **ROGERS CABLE**
TR—T15(W) **KOMO-TV,** Seattle—ABC Network affiliate (5.41)
TR—T16(W) **KING-TV,** Seattle—NBC Network affiliate (5.41)
TR—T18(E) **ATLANTIC SATELLITE NETWORK** (5.41)
TR—T19(E) **SUPER ECRAN/TVEC** (5.41)
TR—T20(E) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (5.41)
TR—T21(E) **RADIO QUEBEC** (5.41)
TR—T22(E) **FOUR SEASONS NETWORK** (5.41)
TR—T23(E) **LA SETTE 2** (5.41)
TR—T24(E) **LA SETTE 1** (5.41)
TR—T25(E) **TV ONTARIO** (French) (5.41)
TR—T26(E) **TV ONTARIO** (English) (5.41)
TR—T27(E) **LE CLUB** (Canadian Home Shoppers Club) (French) (5.41)
TR—T28(E) **TV ONTARIO LEGISLATURE** (5.41)
TR—T29(E) **ROGERS CABLE**
TR—T30(E) **TELEUNIVERSITY** (begins TBA)
TR—T31(E) **FIRST CHOICE/SUPERCHANNEL** (East) (5.41)
TR—T32(E) **CHSC** (Canadian Home Shopper's Club) (5.41)

MORELOS 1 (113.5°W)

Polarization:
C-Band (36 Mhz)—Vertical
C-Band (72 Mhz)—Horizontal
Ku-Band (108 Mhz)—Horizontal

C-BAND/36 MHZ TRANSPONDERS:

TR—1N(2) **XHIMT,** Mexico City—Imelvision-national affiliate (6.2)
TR—2N(6) **CANAL 22,** Mexico City—Imelvision affiliate (6.2) (lower half-transponder format) (begins approx. 3-1-88)
XHIPN, Mexico City—Instituto Politenico Nacional (6.2) (upper half-transponder format) (begins approx. 3-1-88)
TR—4N(8) **XHDF,** Mexico City—Imelvision-regional affiliate (6.2)
TR—5N(10) **SAN DIEGO NETWORK TELEVISION RELAY SERVICE**—selected U.S. network affiliate and independent programming from KFMB, KCST & KGTV, San Diego, CA and XETV, Tijuana (6.2) (lower half-transponder format)
XHGC, Mexico City—Televisa network affiliate (6.2) (upper half-transponder format)
TR—6N(12) **OCCASIONAL TRANSMISSIONS**—sport events, news & network feeds (6.2)
TR—7N(14) **XEW-TV,** Mexico City—Televisa network affiliate (6.2) (upper half-transponder format)

C-BAND/72 MHZ TRANSPONDERS:

TR—2W(6) **XHTV,** Mexico City—Televisa network affiliate (6.2)
HOSPITAL INFANTIL DE MEXICO—Children's Hospital of Mexico teleconferencing network (6.2)

KU-BAND/108 MHZ TRANSPONDERS:

NO VIDEO

Audio Subcarrier Services on MORELOS 1

TR—1N(2) **RADIO FELICIDAD,** Mexico City (7.4)

ANIK D2 (110.5°W)

Polarization: ODD—Horizontal
EVEN—Vertical

TR—6A(11) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—8A(15) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—9A(17) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—11B(22) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

ANIK C2 (Ku) (110°W)

Polarization: T1-T16: Vertical
T17-T32: Horizontal
(W)—Western Beam
(E)—Eastern Beam

TR—T3(W) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (5.41)
TR—T4(W) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (5.41)
TR—T19(E) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (5.41)
TR—T20(E) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (5.41)
TR—T25(E) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (5.41)

GTE GSTAR 2 (Ku) (105°W)

TR—3 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
GANNETT BROADCASTING GROUP—news backhaul/distribution for Gannett-owned stations (6.2/6.8)
TR—4 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—5 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—6 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—7 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
CNN NEWSBEAM—Cable News Network newsfeed service (6.2/6.8)
DVN (Digital Video Network)—DEC internal teleconference channel (fully encrypted/S-A BMAC)

continued on next page

TR—8 **GSTAR 2 ID CHANNEL**
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)

TR—12 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
VHA (Voluntary Hospitals of America)—private hospital teleconference network (fully encrypted/OAK ORION)

TR—13 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—14 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—15 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
CLESN (Continuing Legal Education Satellite Network)—legal continuing education programming (6.2/6.8)
PLI (Practicing Law Institute)—legal continuing education programming (6.2/6.8)
WANG NETWORK—WANG internal teleconference channel (fully encrypted/OAK ORION)

TR—16 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
GANNETT BROADCASTING GROUP—news backhaul/distribution for Gannett-owned stations (6.2/6.8)
IRN (Institutional Research Network)—business continuing education network (6.2)

ANIK D1 (104.5°W)

Polarization: ODD—Horizontal EVEN—Vertical

TR—1B(2) **TSN** (The Sports Network)—24-hr/day sports programming (fully encrypted/OAK ORION)
TR—2B(4) **GLOBAL TV OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.8)
TR—3A(5) **CBC OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.8)
TR—3B(6) **MUCH MUSIC**—Pop/rock video (5.41 & 6.17 discrete stereo/6.7 mono)
TR—4A(7) **CBC OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.8)
TR—4B(8) **CHCH-TV,** Hamilton, Ontario—Ontario's leading independent station (fully encrypted/OAK ORION)
TR—5A(9) **WDIV-TV,** Detroit—NBC Network affiliate (fully encrypted/OAK ORION)
TR—5B(10) **WXYZ-TV,** Detroit—ABC Network affiliate (fully encrypted/OAK ORION)
TR—6A(11) **CBC NORTH**—CBC network programming (Pacific time zone feed) (6.8)
TR—7A(13) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.8)
TR—7B(14) **TCTV** (Telemedia Communications Television)—TVA network programming (French) from CHLT, Sherbrooke/CFTM, Montreal (fully encrypted/OAK ORION)
TR—8A(15) **CBC** (French Channel)—French language CBC programming (Eastern time zone feed) (6.8)
TR—8B(16) **CBC PARLIMENTARY NETWORK** (French)—daily live coverage of the Canadian House of Commons from Ottawa (6.8)
TR—9A(17) **CBC OCCASIONAL TRANSMISSIONS**—occasional incoming CBC affiliate feeds (6.8)
TR—9B(18) **CITV-TV,** Edmonton, Alberta—Alberta's leading independent station (fully encrypted/OAK ORION)
TR—10A(19) **CBC NORTH**—CBC network programming (Atlantic time zone feed) (6.8)
TR—10B(20) **CBMT,** Montreal—CBC English Network station (Eastern time zone feed) (6.8)
TR—11A(21) **WTVS-TV,** Detroit—PBS Network affiliate (fully encrypted/OAK ORION)
TR—11B(22) **CHAN/BCTV** (British Columbia Television), Vancouver, B.C.—British Columbia's leading CTV network station (fully encrypted/OAK ORION)
TR—12A(23) **WJBK**, Detroit—CBS Network affiliate (fully encrypted/OAK ORION)
TR—12B(24) **CBC PARLIAMENTARY NETWORK** (English)—daily live coverage of the Canadian House of Commons from Ottawa (6.8)

Audio Subcarrier Services on ANIK D

TR—2B(4) **CFNY-FM,** Brampton, Ontario—progressive rock format (5.41/5.58 discrete stereo)
CFTR-AM, Toronto, Ontario—Top 40 format (7.515 mono)
CKEY-AM, Toronto, Ontario—solid gold format (7.605 mono)
NEWSRADIO (7.695/7.785)
STANDARD BROADCAST NEWS (7.875)

TR—4B(8) **BROADCAST NEWS** (5.4/5.76/5.8/5.94/7.425)
CHFI-FM, Toronto, Ontario—MOR/Beautiful Music format (6.8 mono)
TELEMEDIA BROADCAST SERVICES (7.5515/7.605)
CKEY-AM, Toronto, Ontario—solid gold format (7.695/7.785 mono)

continued on next page

TR—7B(14) **CITE-FM,** Montreal, Quebec—French language traditional MOR music (5.76 mono)
CKAC NETWORK (6.255)
CKAC, Montreal, Quebec—French language MOR/Contemporary music (6.435 mono)
BROADCAST NEWS (7.38/7.515)
CJMS-AM, Montreal, Quebec—French language adult contemporary music format (7.605 mono)

TR—8A(15) **RADIO CANADA** (East) (5.41/5.76 discrete stereo)

TR—8B(16) **CBC STEREO RADIO/FRENCH** (East) (5.41/5.58 discrete stereo)
CBC STEREO RADIO/ENGLISH (West) (5.76/5.94 discrete stereo)

TR—9B(18) **CKO-FM,** Edmonton, Alberta—all-news & information radio (6.8 mono)
CKER-AM, Edmonton, Alberta—ethnic multilingual format (7.425 mono)
BROADCAST NEWS (7.695)
CIRK-FM, (K-97), Edmonton, Alberta—progressive rock (7.785 mono)

TR—10B(20) **CBM-AM,** Montreal, Quebec—CBC Radio English Network station (6.12 mono)

TR—11A(21) **CKNM-FM,** Yellowknife, NWT—country & western music format (5.41 mono)

TR—11B(22) **CBU-FM,** Vancouver, B.C.—CBC stereo radio (English) (5.76/5.94 discrete stereo)
CFMI-FM, New Westminster, B.C.—Soft album rock (6.8 mono)
CBC (7.425)
CKNW-AM, New Westminster, BC—MOR music/talk-show format (7.515/7.875)
BROADCAST NEWS (7.605/7.695)

TR—12A(23) **CKRW-AM,** Whitehorse, Yukon—country & western music (5.41 mono)
CHON-FM, Whitehorse, Yukon—country & western/rock music native language format (5.41 mono)
VOCM, St. John's Newfoundland—Adult contemporary music (6.17 mono)

TR—12B(24) **CBC STEREO RADIO/FRENCH** (East) (5.41/5.58 discrete stereo)
CBC STEREO RADIO/ENGLISH (East) (5.76/5.94 discrete stereo)
CBC STEREO RADIO/ENGLISH (Atlantic) (6.12/6.3 discrete stereo)

GTE GSTAR 1 (Ku) (103°W)

Polarization: 1—8: Horizontal
9—16: Vertical

TR—4 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
BAF COMMUNICATIONS—occasional transmissions: sports events & news and network feeds (6.2/6.8)
A.L. WILLIAMS NETWORK—A.L. Williams Corporate teleconference network (fully encrypted/S-A BMAC)
FSN (Florida Satellite News)—broadcast newsfeed pool (6.2/6.8)

TR—5 **NTU** (National Technological University)—Engineering M.S. degree program and AMCEE short courses (6.8) (half transponder format: CH—A: NTU (11961 mhz), CH—B: AMCEE (11987 mhz)

TR—7 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.8)
BAF COMMUNICATIONS—occasional transmissions: sports events & news and network feeds (6.2/6.8)
H-P TELEVISION NETWORK—Hewlett Packard internal teleconference channel (fully encrypted/S-A BMAC)

TR—8 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
CHICO STATE UNIVERSITY SATELLITE NETWORK—computer/information systems education classroom courses (6.8)
CLTV (Computerland Television Network)—Computerland internal teleconferencing network (6.2/6.8)
COMPUTER CHANNEL NETWORK—IBM internal teleconferencing network (6.2/6.8)

TR—10 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—11 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—12 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—13 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—15 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
SPORTSCENE—Tulsa Cable Television sports talk-show distribution channel (6.2/6.8)

TR—16 **HSN** (Hospital Satellite Network)—medical educational programming subscription service for hospitals (fully encrypted/OAK ORION)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)

SBS 1 (Ku) (99°W)

Polarization: All horizontal

TR—1 **MCI INTERNAL TELECONFERENCING CHANNEL** (6.2)

6pm News/ 145pm TO 215pm NTSC WK days
245pm TO

WU WESTAR 4 (99°W)

Polarization: ODD—Horizontal
EVEN—Vertical

TR—3X(6) **NCN** (National Christian Network)—religious programming (6.2/6.8)
TR—5D(9) **WOLD COMMUNICATIONS**—occasional transmissions: sports events, news & network feeds (6.2/6.8)
CALIFORNIA STATE LOTTERY (6.2/6.8)
TR—5X(10) **CNN** (Cable News Network) Contract Channel—incoming regional bureau news feeds (6.2/6.8)
TR—6D(11) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—7D(13) **JISO** (Japanese International Joint Users Organization)—multiple Japan network news & programming feeds (6.2/6.8)
TR—7X(14) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
BRIGHTSTAR INTERNATIONAL—inbound European sports and news feeds (6.2/6.8)
BCNZ (Television New Zealand)—daily news feed circuit from BBC/ITN, London to New Zealand Network Television, Auckland (6.2/6.8) (PAL/625 format)
TR—8D(15) **PBS** (Public Broadcasting)—schedule A programming (6.8)
TR—8X(16) **CNN** (Cable News Network) Contract Channel—incoming regional bureau news feeds (6.2/6.8)
TR—9D(17) **PBS** (Public Broadcasting)—schedule B programming/occasional videoconferencing (6.8)
TR—9X(18) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
ABUNDANT LIFE PRAYER GROUP—daily religious programming with Richard Roberts (6.2/6.8)
TELEMUNDO/HBC (Hispanic Broadcasting Corporation)—Spanish language news service (6.2/6.8)
TR—10D(19) **BONNEVILLE SATELLITE**—occasional transmissions: sports events, news & network feeds (6.2/6.8)
ITN (International Television Network)—multinational variety programming (6.2/6.8)
MISSOURI STATE LOTTERY (6.2/6.8)
TR—10X(20) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
SUCCESS 'N LIFE—motivational/self-improvement programming (6.2/6.8)
THE TREASURE CHANNEL—professional treasure hunting programming (6.2/6.8)
HOME TERMINAL SHOW—home computer information programming (6.2/6.8)
TR—11D(21) **PBS** (Public Broadcasting)—schedule C programming (6.8)
OCCASIONAL TRANSMISSIONS—news feeds (6.2/6.8)
TR—12D(23) **PBS** (Public Broadcasting)—schedule D programming (6.8)
PBS NATIONAL NARROWCAST SERVICE—PBS internal teleconference channel (6.8)
BONNEVILLE SATELLITE—occasional transmissions: sporting events, news & network feeds (6.2/6.8)
TR—12X(24) **CDN** (Consumer Discount Network)—shop-at-home service (6.2/6.8)

SBS 2 (Ku) (97°W)

Polarization: All horizontal

NO VIDEO

ATT TELSTAR 301 (96°W)

Polarization: ODD—Vertical
EVEN—Horizontal

TR—1V(1) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
FOX TELEVISION NETWORK (East) (5.8 mono/6.2 & 6.8 stereo)
TR—1H(2) **CBS TELEVISION NETWORK**—CBS regularly scheduled network programming (Eastern time zone feed) (6.2/6.8)
TR—2V(3) **CALIFORNIA VIDEO/LORIMAR**—syndicated programming distribution service (6.2/6.8)

continued on next page

WESTSAT COMMUNICATIONS

TR—2H(4) **ABC TELEVISION NETWORK**—Los Angeles-New York programming & news feeds/Contract Channel (6.2/6.8)
TR—3V(5) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—3H(6) **ABC TELEVISION NETWORK**—occasional live/taped network feeds (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)
TR—4V(7) **CBS TELEVISION NETWORK**—CBS regularly scheduled network programming (Eastern time zone feed) (6.2/6.8)
TR—5V(9) **WOLD SATELLITE NETWORK**—syndicated programming feeds (5.94/6.12 discrete stereo/6.8 mono)
TR—5H(10) **ABC TELEVISION NETWORK**—ABC regularly scheduled network programming (Eastern time zone feed) (6.2/6.8)
TR—6V(11) **ABC TELEVISION NETWORK**—occasional network sports events & news feeds (6.2/6.8)
TR—6H(12) **ABC TELEVISION NETWORK**—ABC regularly scheduled network programming (Eastern time zone feed) (6.2/6.8)
TR—7V(13) **SNS** (Sports NewsSatellite)—sports highlights service (6.2/6.8)
INDEPENDENT NETWORK NEWS (6.2/6.8)
VTC SATELLITE NETWORK—syndicated programming distribution service (6.2/6.8)
IOWA STATE LOTTERY (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)
HUGHES TELEVISION NETWORK—sport events feeds (6.2/6.8)
TR—7H(14) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
FOX TELEVISION NETWORK (West) (5.8 mono/6.2 & 6.8 stereo)
TR—8V(15) **CBS TELEVISION NETWORK**—occasional network sports events/news spot feeds (6.2/6.8)
TR—9V (17) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—10V(19) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—11V(21) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—12V(23) **WOLD COMMUNICATIONS**—occasional transmissions: sports events, news & network feeds (6.2/6.8)
WOLD SATELLITE NETWORK—syndicated programming feeds (6.2/6.8)
TR—12H(24) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TVSC (Television Videotape Satellite Communications)—VIDSAT/SYNSAT distribution (6.2/6.8)
FOX TELEVISION NETWORK (East) (5.8 mono/6.2 & 6.8 stereo)

Audio Subcarrier Services on TELSTAR 301

TR—5V(9) **TRANSTAR III RADIO NETWORK**—country & western music format (5.58 & 5.76 discrete stereo)

SBS 3 (Ku) (95°W)

Polarization: All horizontal

TR—1 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—3 **COMSAT VIDEO ENTERPRISES/HI-NET**—SATELLITE CINEMA 1 (upper half transponder) (fully encrypted/S-A BMAC)
TR—4 **CONUS/HUBCOM**—remote satellite newsfeed access channel (5.76)
AMC SATELLITE EDUCATION NETWORK—U.S. Army Supply Corp. educational training (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)
TR—5 **COMSAT VIDEO ENTERPRISES/HI-NET**—SATELLITE CINEMA 2 (lower half transponder) (fully encrypted/S-A BMAC)
TR—6 **COMSAT VIDEO ENTERPRISES/HI-NET**—CNN HEADLINE NEWS (lower half transponder) (fully encrypted/S-A BMAC); ESPN (upper half transponder) (fully encrypted/S-A BMAC)
TR—7 **CONUS/HUBCOM**—remote satellite newsfeed access channel (5.76)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)
TR—8 **CONUS/HUBCOM**—remote satellite newsfeed access channel (5.76)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)
TR—9 **COMSAT VIDEO ENTERPRISES/HI-NET**—SATELLITE CINEMA 3 (lower half transponder) (fully encrypted/S-A BMAC); SHOWTIME (West) (upper half transponder) (fully encrypted/S-A BMAC)
TR—10 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
ALI-ABA (American Law Institute/Bar Association)—continuing legal education programming (5.41)
ALN (American Law Network)—continuing legal education programming (5.41)
U.S. ARMY SCHOOL OF THE AIR (fully encrypted/GI STARLOK II)

HUGHES GALAXY 3 (93.5°W)

Polarization: ODD—Horizontal
EVEN—Vertical

TR—2 **OCCASIONAL TRANSMISSIONS**— sports events, news & network feeds (6.2/6.8)
DEL MAR HORSE RACING—live closed-circuit horse racing from Del Mar Race Track (fully encrypted/S-A BMAC)

TR—5 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—7 **GALAXY 3 1D CHANNEL** (6.2/6.8)
MEADOWLANDS HORSE RACING—live closed-circuit horse racing from Meadlowlands Race Track, NJ (fully encrypted/OAK ORION)
FREEHOLD HORSE RACING—live closed-circuit horse racing from Freehold Race Track (fully encrypted/OAK ORION)
HUGHES TELEVISION NETWORK—sports events feeds (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)

TR—8 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
BUFFALO/FINGER LAKES HORSE RACING—live closed-circuit horse racing from New York State (fully encrypted/OAK ORION)

TR—9 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
GARDEN STATE HORSE RACING—live closed-circuit horse racing from Garden State Race Track, NJ (fully encrypted/OAK ORION)

TR—10 **EWTN** (Eternal Word TV Network)—religious (6.2/6.8)

TR—11 **SKY MERCHANT**—shop-at-home service (6.2/6.8)

TR—12 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
BIZNET (American Business Network)—business and political news/special features from Washington, DC (6.8)
NYRA (New York Racing Authority)—live closed-circuit horse racing from New York State race tracks (fully encrypted/S-A BMAC)
NEW YORK STANDARDBRED HORSE RACING—live closed-circuit horse racing from Yonkers and Roosevelt Raceways, NY (fully encrypted/OAK ORION)
HUGHES TELEVISION NETWORK—sports events feeds (6.2/6.8)

TR—13 **THE WEATHER CHANNEL**—24 hr/day national & regional weather/environmental reporting (6.8)

TR—14 **C-SPAN 2/SENATE**—live coverage from the U.S. Senate (6.8)

TR—15 **VH-1** (Video Hits One)—adult contemporary music video (fully encrypted/GI VIDEOCIPHER II)

TR—16 **PAY PER VIEW NETWORKS**—24-hr/day, pay-per-view first release movie service (fully encrypted/GI VIDEOCIPHER II) (begins approx. 1-1-88)

TR—17 **MTV** (Music Television)—Pop/Rock Video (fully encrypted/GI VIDEOCIPHER II)

TR—18 **VIEWER'S CHOICE 2**—24 hr/day pay-per-view movie service (fully encrypted/GI VIDEOCIPHER II)

TR—19 **NICKELODEON** (East)—premium children's programming (fully encrypted/GI VIDEOCIPHER II)

TR—21 **VIEWER'S CHOICE 1**—24 hr/day pay-per-view movie service (fully encrypted/GI VIDEOCIPHER II)

TR—23 **NATIONAL SHOPPING CLUB**—shop-at-home service (6.2/6.8)

TR—24 **C-SPAN 1/HOUSE**—live coverage from the U.S. House of Representatives (6.8)

SBS 4 (Ku) (91°W)

Polarization: All horizontal

TR—1 **OCCASIONAL TRANSMISSION**—sports events, news & network feeds (6.2/6.8)

TR—2 **OCCASIONAL TRANSMISSION**—sports events, news & network feeds (6.2/6.8)

TR—3 **OCCASIONAL TRANSMISSION**—sports events, news & network feeds (6.2/6.8)
IBM FTN NETWORK—IBM internal teleconference channel (fully encrypted/S-A BMAC)

TR—5 **OCCASIONAL TRANSMISSION**—sports events, news & network feeds (6.2/6.8)
ASTN (Automotive Satellite Television Network)—automobile dealership sales training (6.2/6.8)

TR—7 **ATN** (American Telemedia Network)—Rock video format for shopping center/mall promotions (6.8)

TR—9 **OCCASIONAL TRANSMISSION**—sports events, news & network feeds (6.2/6.8)

WU WESTAR 3 (91°W)

Polarization: All horizontal

TR—3(5) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—11(21) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
ILLINOIS STATE LOTTERY (6.2/6.8)

ATT TELSTAR 302 (86°W)

Polarization: ODD—Vertical
EVEN—Horizontal

TR—5V(9) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—5H(10) **ABC TELEVISION NETWORK**—regularly scheduled network programming (Pacific time zone feed) (6.2/6.8)

TR—6V(11) **ABC TELEVISION NETWORK**—occasional network sports events/news spot feeds (6.2/6.8)

TR—8V(15) **CBS TELEVISION NETWORK**—regularly scheduled network programming (Eastern time zone feed) (6.2) (fully encrypted/GI VIDEOCIPHER 1)

TR—8H(16) **CBS TELEVISION NETWORK**—regularly scheduled network programming (Pacific time zone feed) (6.2)

TR—9V(17) **CBS TELEVISION NETWORK**—regularly scheduled network programming (Eastern time zone feed) (6.2) (fully encrypted/GI VIDEOCIPHER I)

TR—9H(18) **CBS TELEVISION NETWORK**—regularly scheduled network programming (Eastern time zone feed) (6.2) (fully encrypted GI VIDEOCIPHER I)

TR—10V(19) **CBS TELEVISION NETWORK**—occasional network sports events/news spot feeds (6.2)

TR—10H(20) **CBS TELEVISION NETWORK**—regularly scheduled network programming (Eastern time zone feed) (6.2)

TR—12V(23) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

GE K1 (Ku) (85°W)

Polarization: ODD: Horizontal
EVEN: Vertical

TR—1 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—2 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—3 **HBO** (Home Box Office) (West)—first-run movies, sports & entertainment specials (fully encrypted/GI VIDEOCIPHER II)

TR—4 **HBO FESTIVAL NETWORK**—family-oriented premium first-run movie service (fully encrypted/GI VIDEOCIPHER II)

TR—5 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—6 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—7 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—8 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—9 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—10 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
COLUMBUS RACES—live closed-circuit horse racing from Columbus Race Track (6.2/6.8)

TR—11 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—12 **GE K1 ID CHANNEL** (6.8)

TR—13 **HBO CINEMAX** (West)—time structured HBO (fully encrypted/GI VIDEOCIPHER II)

TR—14 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

TR—15 **HBO FESTIVAL NETWORK**—family-oriented premium first-run movie service (fully encrypted/GI VIDEOCIPHER II)

TR—16 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

GE SATCOM 4 (83°W)

Polarization: ODD—Vertical EVEN—Horizontal

TR—1 **HSC2** (Home Shopping Club)—premium product shop-at-home service (6.2/6.8)

TR—2 **BRAVO**—performing and cultural arts programming (5.8 mpx stereo/6.8 mono)
TELEMART HOME SHOPPING NETWORK—shop-at-home service (6.2/6.8)
THE ITALIAN-AMERICAN NETWORK—Italian variety & entertainment programming (6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)

TR—3 **TMN** (Motivational Network)—motivational training programming (6.2/6.8)

TR—4 **NICKELODEON** (West)—premium children's programming (6.8)

TR—5 **AVN** (America's Value Network)—shop-at-home service (6.2/6.8)

TR—6 **MSG** (Madison Square Garden Cable Network)—Northeast Regional Sports Network featuring Knicks basketball & Rangers hockey (6.2/6.8)
TELSHOP—shop-at-home service (6.2/6.8)

TR—7 **LBN** (Liberty Broadcasting Network)—religious (6.2/6.8)

TR—8 **C-SPAN II/SENATE**—live coverage of U.S. Senate Proceedings (6.8) (ends 10-31-87)

TR—9 **SPORTSVISION**—regional Chicago area sports network (6.2/6.8)
CARAVAN OF VALUES—shop-at-home service (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sporting events, news & network feeds (6.2/6.8)

TR—10 **AMC** (American Movie Classics)—vintage/classic movies with daily theme presentation (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sporting events, news & network feeds (6.2/6.8)

TR—11 **HSE** (Home Sports Entertainment Network)—regional cable sports network (6.8)

TR—12 **SPORTSCHANNEL NEW YORK**—New York regional sports service (6.2/6.8)
FNN (Financial News Network)—New York to Los Angeles backhaul circuit (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)

TR—13 **NESN** (New England Sports Network)—regional sports network featuring Red Sox Baseball and Bruins Hockey (6.8)

TR—14 **NJT** (National Jewish Television)—religious (6.2/6.8)
HSE BLACKOUT NETWORK (6.2/6.8)
THE FASHION CHANNEL (begins approx. 11-1-87)

TR—15 **SHOP-AT-HOME NETWORK**—shop-at-home service (6.2/6.8)

TR—16 **CABLE VIDEO STORE**—premium first-run movie service (fully encrypted/GI VIDEOCIPHER II)

TR—17 **MOVIETIME**—motion picture previews & special features (6.2/6.8)

TR—18 **HIT VIDEO USA**—rock videos format (6.2/6.8 stereo)

TR—19 **WPIX,** New York—highly rated independent superstation from the Big Apple (fully encrypted/GI VIDEOCIPHER II)

TR—20 **PRIME TICKET**—Southern California regional sports network featuring Lakers basketball & Kings hockey (6.8)
CDN 1 (Consumer Discount Network)—shop-at-home service (6.2/6.8)

TR—21 **THE NOSTALGIA CHANNEL**—vintage movie classics from 1920's to 1950's (6.8)

TR—22 **HOME TEAM SPORTS**—Washington, DC/Maryland regional sports network (6.8)

TR—23 **SPORTSCHANNEL NEW ENGLAND**—Northeast regional sports network featuring Celtics basketball and Whalers ice hockey (6.8)
PHILADELPHIA PARK HORSE RACING—live closed-circuit horse racing from Philadelphia Park Race Track (fully encrypted/OAK ORION)
THE SILENT NETWORK—specialized programming for the deaf & hearing impared (6.2/6.8)

TR—24 **THE PLAYBOY CHANNEL**—adult-oriented entertainment and sexually oriented "R"-rated movies from Playboy (6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)

Audio Subcarrier Services on SATCOM 4

TR—3 **SBN** (Sheridan Broadcasting Network) (5.8 mono)

TR—7 **ASTRO RADIO NETWORK**—religious multidenominational talk/instructional talk format (6.3)

TR—11 **KKBQ (FM),** Houston, TX—pop/rock music (6.8) (only during HSE billboard)

TR—13 **WJIB (FM),** Boston, MA—easy listening music (6.8) (only during NESN billboard)

TR—19 **NATIONAL BLACK NETWORK** (6.3/6.48 discrete stereo)

TR—21 **AMERICAN JAZZ SUPERSTATION**—modern/classic jazz music (6.2 mono)

TR—22 **WLTT (FM),** Bethesda, MD—adult contemporary/MOR music (6.8) (only during HTS billboard)

GE K2 (Ku)(81°W)

Polarization: ODD: Horizontal
EVEN: Vertical

TR—1 **NBC TELEVISION NETWORK**—regularly scheduled network programming (Eastern) incoming & outgoing newsfeeds (6.2/6.8)

TR—3 **NBC TELEVISION NETWORK**—regularly scheduled network programming (Eastern) incoming & outgoing newsfeeds (6.2/6.8)

TR—4 **CYCLESAT**—direct satellite commercial distribution service (6.2/6.8)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)

TR—5 **NBC TELEVISION NETWORK**—regularly scheduled network programming/incoming & outgoing newsfeeds (6.2/6.8 stereo)

TR—6 **CONUS WASHINGTON DIRECT**—outgoing Washington, DC newsfeed service (5.76/6.2) (lower half transponder)
MISSOURI STATE LOTTERY (6.2) (lower half transponder)
FOX TELEVISION NETWORK (East) (5.76/6.2) (lower half transponder)
FOX TELEVISION NETWORK TELECONFERENCE CHANNEL—network affiliates closed-circuit teleconference channel (5.76/6.2) (upper half transponder)

TR—7 **NBC TELEVISION NETWORK**—regularly scheduled network programming/incoming & outgoing newsfeeds (6.2/6.8 stereo)

TR—8 **NIPPON WORLD NEWS SERVICE**—selected Japanese variety programming from NHK-TV (6.8)
CONUS/HUBCOM—remote satellite newsfeed access channel (5.76) (lower & upper half transponder)
DH DIRECT—Dayton Hudson Stores shop-at-home service (5.76) (upper half transponder)

TR—9 **NBC TELEVISION NETWORK**—regularly scheduled network programming/incoming & outgoing newsfeeds (6.2/6.8 stereo)

TR—10 **RCA SYNDICATION CHANNEL**—daily syndicated programming feeds (6.2/6.8) (lower half transponder)
INDEPENDENT NETWORK NEWS (6.2/6.8) (lower half transponder)
HOME SHOPPING OVERNIGHT—shop-at-home service (6.2) (lower half transponder)
VTC SATELLITE NETWORK—syndicated programming distribution service (6.2)
OCCASIONAL TRANSMISSIONS—sports events, news & network feeds (6.2/6.8)

TR—11 **NBC TELEVISION NETWORK**—regularly scheduled network programming (Eastern) incoming & outgoing newsfeeds (6.2/6.8)

TR—12 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
CALIFORNIA STATE LOTTERY (5.76) (upper half transponder)
EASTERN WASHINGTON UNIVERSITY SATELLITE INSTRUCTION—language educational courses (6.8) (lower half transponder)

TR—13 **NBC TELEVISION NETWORK**—regularly scheduled network programming/incoming & outgoing newsfeeds (6.2/6.8 stereo)

TR—14 **AT&T HI/LIGHT**—graphic news & information update service (fully encrypted/S-A BMAC)

TR—15 **NBC TELEVISION NETWORK**—regularly scheduled network programming/incoming & outgoing newsfeeds (6.2/6.8 stereo)

TR—16 **AT&T COMMUNICATIONS**

COMSAT COMSTAR 4 (76°W)

Polarization: ODD—Vertical
EVEN—Horizontal

NO VIDEO

HUGHES GALAXY 2 (74°W)

Polarization: ODD—Horizontal
EVEN—Vertical

TR—1 **UNIVERSITY OF VIRGINIA**—Math/engineering tech courses (6.2/6.8)

TR—2 **TELECAST CINEMA**—first-run movies pay-per-view service (fully encrypted/SONY)

TR—4 **FIRST RUN**—first-run movies pay-per-view service (fully encrypted/SONY)

TR—5 **VIRGINIA TECH UNIVERSITY**—Math/engineering tech courses (6.2/6.8)

TR—10 **TELECAST, INC**—video programming service TBA (begins approx. 11-1-87)

TR—11 **NHK TELEVISION NETWORK**—full time New York/London to Tokyo newsfeed circuit (6.2/6.8)

TR—13 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
OHIO STATE LOTTERY (6.2/6.8)

continued on next page

TR—14 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—15 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—20 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—21 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—22 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—23 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—24 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

GE SATCOM 2R (72°W)

Polarization: ODD—Vertical
EVEN—Horizontal

TR—2 **WBBM-TV,** Chicago—CBS Network affiliate (fully encrypted/GI VIDEOCIPHER II)
TR—4 **WABC-TV,** New York—ABC Network affiliate (fully encrypted/GI VIDEOCIPHER II)
TR—12 **WXIA-TV,** Atlanta—NBC Network affiliate (fully encrypted/GI VIDEOCIPHER II)
TR—13 **NASA CONTRACT CHANNEL**—live NASA mission and mission-related events coverage (6.8) (operated only during ongoing missions)
TR—22 **ARMED FORCES SATELLITE NETWORK**—various network & independent programming (6.8)

Audio Subcarrier Services on SATCOM 2R

TR—22 **AFRTS RADIO NETWORK** (Armed Forces Radio & Television Service) (5.76/5.94 mono)
TR—23 **NORTH AMERICA ONE**—country & western music & variety talkshow format (6.2)

GTE SPACENET 2 (69°W)

Polarization:
C-Band (36 Mhz)—Horizontal
C-Band (72 Mhz)—Vertical
Ku-Band (72 Mhz)—Horizontal

C-BAND/36 MHZ TRANSPONDERS:

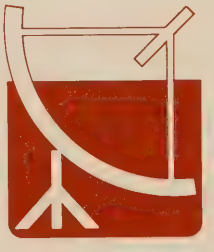
TR—1(1) **TELSTAR CHANNELS**—premium movies pay service (fully encrypted/GI VIDEOCIPHER II)
TR—4(7) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—5(9) **TELSTAR CHANNELS**—premium movies pay service (fully encrypted/GI VIDEOCIPHER II)
TR—6(11) **TELSTAR CHANNELS PREVIEW/PROMOTIONAL CHANNEL** (6.2/6.8)
TR—8(15) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—11(21) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—12(23) **TELSTAR CHANNELS PAY-PER-VIEW CHANNEL**—first-run movie pay-per-view service (fully encrypted/GI VIDEOCIPHER II)

C-BAND/72 MHZ TRANSPONDERS:

TR—15L(10) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—15U(12) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—17L(18) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—17U(20) **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)

KU-BAND/72 MHZ TRANSPONDERS:

TR—20 **FLORIDA NEWS NETWORK**—news express service pool (6.2/6.8)
TR—21 **TI-IN NETWORK**—Texas state interactive network (fully encrypted/GI STARLOK II)
TR—22 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)
TR—23 **OCCASIONAL TRANSMISSIONS**—sports events, news & network feeds (6.2/6.8)



THE TRANSPONDER HOTLINE
SATFACTS/CHANNEL CHANGES

NEW KIDS ON THE BLOCK: Jumping on board the **GE K2** broadcast bandwagon is HOME SHOPPING CLUB's 4th network, **HOME SHOPPING OVERNIGHT.** Service is aired on transponder 10 (lower) and is intended for network-affiliated TV stations as late night/early morning supplemental programming. The shop-at-home service is also being temporarily simufed on HSE's **SATCOM F4 transponder 11** for handful of stations without K2 reception capabilities . . . also on K2, **Winnebago's** new automated commercial delivery system, **CYCLESAT,** now taking command of transponder 4. Flexible "Commercial Carrier" sends out product in both full and half transponder formats . . . and joining NBC on **K2** is smaller rival network **FOX TV**—simulcasting its eastern feed in half transponder on transponder 6 (lower) . . . new programming syndicator, **VTC SATELLITE NETWORK** now using **transponder 10** on **K2** as well as HUGHE's **transponder 7V** on **TELSTAR 301** . . . Back to School: **EASTERN WASHINGTON UNIVERSITY'S** language courses now airing on **transponder 12** this year . . . NETWORK NEWS: Minor transponder realignment at **CBS** has resulted in shift of network's backup Pacific time zone feed from **transponder 8V to 2H** on **TELSTAR 301.** Alaska & Hawaii are still being fed on transponder 4V same bird with Pacific's 2H serving as backup. Meanwhile, transponder 8V still remains in CBS's inventory and will be used mostly for sports/news backhaul feeds . . . And at **ABC,** network now airing partial daily Pacific time zone programming over **TELSTAR 302, transponder 6V.** ABC has also acquired same transponder on sister satellite **TELSTAR 301** and at the same time giving up transponder **2V** on same bird. That slot has been acquired by **CALIFORNIA VIDEO** full time for syndicated programming distribution . . . CABLESAT NEWS: look for **SHOWTIME (West)** to light up on **GALAXY 1, transponder 16** upon departure of temporary customer **EWTN** on 10-1-87. Programmer will remain also on SATCOM F3R, transponder 10 indefinitely . . . in looking for hotter transponders, **SBN** is switching its 3 network services to the vertical side of **SATCOM F2R. WBBM, Chicago** is now on **transponder 2, WABC, New York** moves to **transponder 4** and **WXIA, Atlanta** to **transponder 12** . . . CRIMSONCASTINGS: **GE's K1** bird seeing more activity: **HBO FESTIVAL NETWORK** now utilizing additional **transponder 4** as well as retaining original transponder 15 for simulcasted feed . . . **COLUMBUS HORSE RACING** is also now airing on same satellite over **transponder 10** on daily basis . . . other **K1** note of interest: bird served as sole source of pool feed covering Pope John Paul II's U.S. arrival & stay in Miami . . . Tulsa Cable's **SPORTSCENE** has shifted transponders on **GTE's GSTAR1** from **7** to **15** (and sometimes **13**) . . . "X"-rated programmer, **AMERICAN EXXXTASY** will move on **GTE's SPACENET 1** from **transponder 2(3)** to **17L(18)** in near future. **Home Dish Only** also plans inauguration of sister service, **TUXEDO NETWORK** to premier on same satellite on 12-1-87 . . . Jim Heyworth's new pay-per-view service, **PAY PER VIEW NETWORKS** has acquired **transponder 16** on **GALAXY 3.** Programmer plans to begin operating sometime in 1st quarter 1988 . . . **CANCOM'S** carriage of Seattle's **KOMO** & **KING** on western beam of **ANIK C3** now on-line & operational on **transponders T-15 & T-16** respectively . . . also, in other Canadian satellite news, **SENECA COMMUNICATIONS** now dark after short-lived existence on C Band **ANIK D2** due to political and/or financial considerations . . . also going off the air is the fabled **CARIBBEAN SUPER STATION** on **WESTAR 5, transponder 12D.** Reasons are unclear to their shutdown but rumor has it that programmer may again return to the airwaves shortly on same WESTAR 5 berth . . . **HUGHES TELEVISION NETWORK** takes over transponder 11D on WESTAR 5 on 10-1-87. Slot will most likely be used for closed-circuit horse racing service and occasional sports backhaul feeds. New acquisition brings total number of full & part-time transponders to 5 that network utilizes on C Band . . . WORLD OF OCCASIONAL VIDEO: **AT&T** has opened up new transponders on all of their 3 C Band satellites for occasional use: **TELSTAR 301, transponder 10V, TELSTAR 302, transponder 12V** and **TELSTAR 303, transponders 2V, 6V, 9V & 12V** . . . Occasional video now also available on Telesat's **ANIK D2, transponder 11B,** adding to 6A, 8A & 9A . . . and David Crenshaw of **CONTEL** informs us that he has made **ASC1 Ku band transponder 23** available for OV . . . DOWN MEXICO WAY: **MORELOS 1** C Band lineup changed slightly. Financial constraints have prompted move of **SAN DIEGO NETWORK TELEVISION RELAY SERVICE** from **transponder 2N** to **transponder 5N** thereby doubling up two-for-one with Mexico City's **XHGC** on half transponder. Also, the medical educational service, **HOSPITAL INFANTIL DE MEXICO** has switched from **transponder 3W** to stagger-share **transponder 2W** with **XHTV.** CANAL 22 and XHIPN of Mexico City, originated slated for startup on transponder 2N now set back to 3-1-88. RADIO FELICIDAD subcarrier has been switched from 6.8 to 7.4 Mhz, transponder 1N. MORELOS 1 Ku band video traffic has remained essentially inactive since the 1986 World Cup . . . THE NAME'S CHANGED, BUT THE FACE IS (MOSTLY) THE SAME: **RCA AMERICAN** now **GE AMERICAN. WTBS** will soon be known as **SUPERSTATION TBS.** And United Cable's **KSPN/Aspen** changed to **KTV/Denver.** PARTING SHOTS: Is it a coincidence or just our imagination that many of the Channel Charts **exclusive** satellite listings find their way in print to other major satellite programming publications—or is it? Normally we wouldn't be concerned, but when we see WESTSAT'S copyrighted information continually appear in other satellite print media—sometimes verbatim *and sometimes even verbatim with our own typos and listing errors (yes, we do make a few now and then),* we honestly have to wonder.

Numbers appearing in parens immediately following transponder numbers for WESTAR, TELSTAR and ANIK satellites indicate **actual dial position** for that transponder on a typical 24-channel satellite receiver.

Numbers in parens immediately following programming description indicate **audio subcarrier(s)** used for that particular service.

SUBSCRIPTION INFORMATION

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WESTSAT COMMUNICATIONS

NORTH AMERICAN C-BAND SATELLITE FREQUENCY/TRANSPONDER CONVERSION TABLE

Channel or Dial Number	Uplink Frequency in MHz	Downlink Frequency in MHz	Satcom 1R, 2R, 3R 4 & 5	Telstar 301, 302 & 303 Comstar 4	Anik D1 & D2	Galaxy 1, 2 & 3	Westar 4 & 5	Spacenet 1 & 2	Westar 3	ASC 1	Morelos 1	Channel or Dial Number
1	5945	3720	1 (V)	1V (V)	1A (H)	1 (H)	1D (H)	1 (H)	1 (H)	1 (H)		1
2	5965	3740	2 (H)	1H (H)	1B (V)	2 (V)	1X (V)	13L (V)*		7 (V)	1N(V) & 1W(H)*	2
3	5985	3760	3 (V)	2V (V)	2A (H)	3 (H)	2D (H)	2 (H)	2 (H)	2 (H)		3
4	6005	3780	4 (H)	2H (H)	2B (V)	4 (V)	2X (V)	13U(V)*		8 (V)	2N (V)	4
5	6025	3800	5 (V)	3V (V)	3A (H)	5 (H)	3D (H)	3 (H)	3 (H)	3 (H)		5
6	6045	3820	6 (H)	3H (H)	3B (V)	6 (V)	3X (V)	14L (V)*		9 (V)	3N(V) & 2W(H)*	6
7	6065	3840	7 (V)	4V (V)	4A (H)	7 (H)	4D (H)	4 (H)	4 (H)	4 (H)		7
8	6085	3860	8 (H)	4H (H)	4B (V)	8 (V)	4X (V)	14U(V)*		10 (V)	4N (V)	8
9	6105	3880	9 (V)	5V (V)	5A (H)	9 (H)	5D (H)	5 (H)	5 (H)	5 (H)		9
10	6125	3900	10 (H)	5H (H)	5B (V)	10 (V)	5X (V)	15L (V)*		11 (V)	5N(V) & 3W(H)*	10
11	6145	3920	11 (V)	6V (V)	6A (H)	11 (H)	6D (H)	6 (H)	6 (H)	6 (H)		11
12	6165	3940	12 (H)	6H (H)	6B (V)	12 (V)	6X (V)	15U(V)*		12 (V)	6N (V)	12
13	6185	3960	13 (V)	7V (V)	7A (H)	13 (H)	7D (H)	7 (H)	7 (H)			13
14	6205	3980	14 (H)	7H (H)	7B (V)	14 (V)	7X (V)	16L (V)*		13 (H)*	7N(V) & 4W(H)*	14
15	6225	4000	15 (V)	8V (V)	8A (H)	15 (H)	8D (H)	8 (H)	8 (H)	16 (V)*		15
16	6245	4020	16 (H)	8H (H)	8B (V)	16 (V)	8X (V)	16U(V)*			8N (V)	16
17	6265	4040	17 (V)	9V (V)	9A (H)	17 (H)	9D (H)	9 (H)	9 (H)			17
18	6285	4060	18 (H)	9H (H)	9B (V)	18 (V)	9X (V)	17L (V)*		14 (H)*	9N(V) & 5W(H)*	18
19	6305	4080	19 (V)	10V (V)	10A (H)	19 (H)	10D (H)	10 (H)	10 (H)	17(V)*		19
20	6325	4100	20 (H)	10H (H)	10B (V)	20 (V)	10X (V)	17U(V)*			10N (V)	20
21	6345	4120	21 (V)	11V (V)	11A (H)	21 (H)	11D (H)	11 (H)	11 (H)			21
22	6365	4140	22 (H)	11H (H)	11B (V)	22 (V)	11X (V)	18L (V)*		15 (H)*	11N(V) & 6W(H)*	22
23	6385	4160	23 (V)	12V (V)	12A (H)	23 (H)	12D (H)	12 (H)	12 (H)	18(V)*		23
24	6405	4180	24 (H)	12H (H)	12B (V)	24 (V)	12X (V)	18U(V)*			12N (V)	24

Polarization for each transponder denoted in parenthesis.

** 72 Mhz band width transponders.*

NORTH AMERICAN KU-BAND SATELLITE FREQUENCY/TRANSPONDER CONVERSION TABLE

Anik C2 & C3 Transponder	Uplink Frequency in Mhz	Downlink Frequency in Mhz
T1 (V)	14017	11717
T2 (V)	14043	11743
T3 (V)	14078	11778
T4 (V)	14104	11804
T5 (V)	14139	11839
T6 (V)	14165	11865
T7 (V)	14200	11900
T8 (V)	14226	11926
T9 (V)	14261	11961
T10 (V)	14287	11987
T11 (V)	14322	12022
T12 (V)	14348	12048
T13 (V)	14383	12083
T14 (V)	14409	12109
T15 (V)	14444	12144
T16 (V)	14470	12170
T17 (H)	14030	11730
T18 (H)	14056	11756
T19 (H)	14091	11791
T20 (H)	14117	11817
T21 (H)	14152	11852
T22 (H)	14178	11878
T23 (H)	14213	11913
T24 (H)	14239	11939
T25 (H)	14274	11974
T26 (H)	14300	12000
T27 (H)	14335	12035
T28 (H)	14361	12061
T29 (H)	14396	12096
T30 (H)	14422	12122
T31 (H)	14457	12157
T32 (H)	14483	12183

GStar 1 & 2 Transponder	Uplink Frequency in Mhz	Downlink Frequency in Mhz
1 (H)	14030	11730
2 (H)	14091	11791
3 (H)	14152	11852
4 (H)	14213	11913
5 (H)	14274	11974
6 (H)	14335	12035
7 (H)	14396	12096
8 (H)	14457	12157
9 (V)	14044	11744
10 (V)	14105	11805
11 (V)	14166	11866
12 (V)	14227	11927
13 (V)	14288	11988
14 (V)	14349	12049
15 (V)	14410	12110
16 (V)	14471	12171

SBS 1, 2, 3, & 4 Transponder	Uplink Frequency in Mhz	Downlink Frequency in Mhz
1 (H)	14025	11725
2 (H)	14074	11774
3 (H)	14123	11823
4 (H)	14172	11872
5 (H)	14221	11921
6 (H)	14270	11970
7 (H)	14319	12019
8 (H)	14368	12068
9 (H)	14417	12117
10 (H)	14466	12166

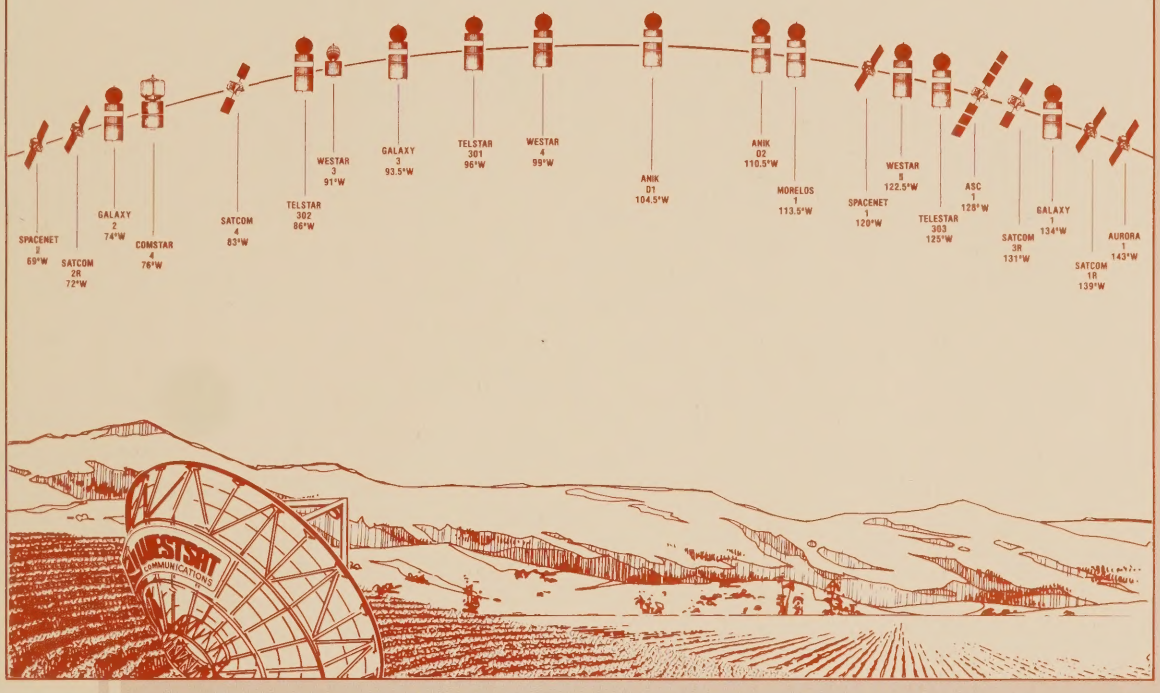
GE K1 & K2 Transponder	Uplink Frequency in Mhz	Downlink Frequency in Mhz
1 (H)	14029.0	11729.0
2 (V)	14058.5	11758.5
3 (H)	14088.0	11788.0
4 (V)	14117.5	11817.5
5 (H)	14147.0	11847.0
6 (V)	14176.5	11876.5
7 (H)	14206.0	11906.0
8 (V)	14235.5	11935.5
9 (H)	14265.0	11965.0
10 (V)	14294.5	11994.5
11 (H)	14324.0	12024.0
12 (V)	14353.5	12053.5
13 (H)	14383.0	12083.0
14 (V)	14412.5	12112.5
15 (H)	14442.0	12142.0
16 (V)	14471.5	12171.5

Spacenet 1 & 2 ASC 1 Transponder	Uplink Frequency in Mhz	Downlink Frequency in Mhz
19 (H)	14040	11740
20 (H)	14120	11820
21 (H)	14200	11900
22 (H)	14280	11980
23 (H)	14360	12060
24 (H)	14440	12140

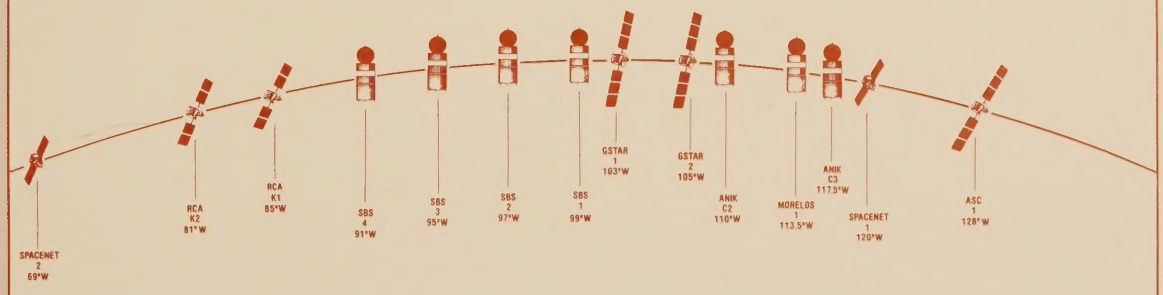
Downlink polarization for each transponder denoted in parenthesis.

WESTSAT COMMUNICATIONS

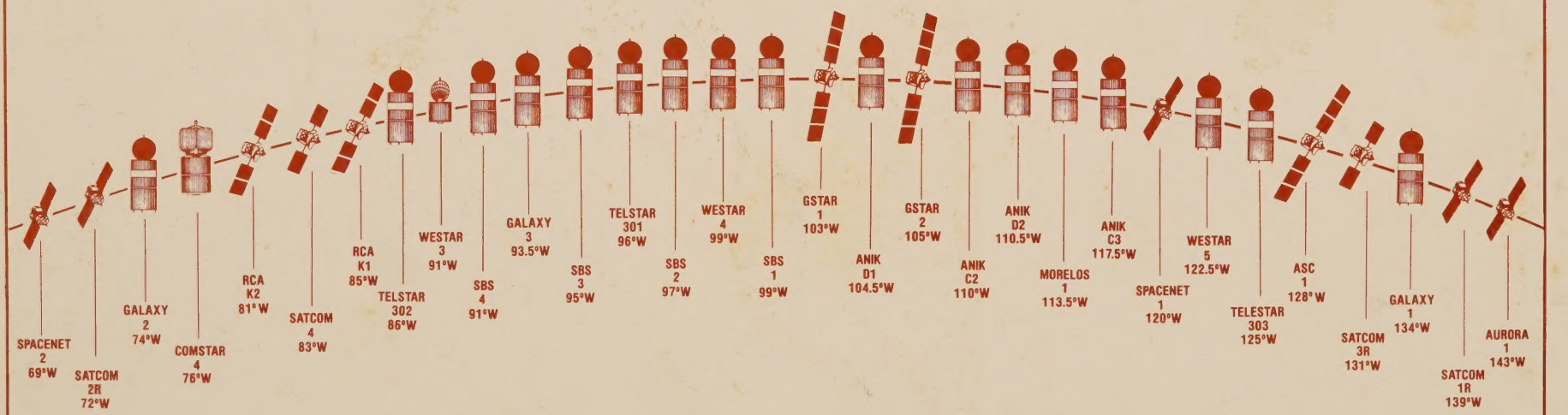
Charting the Satellites / C Band



Charting the Satellites / Ku Band



Charting The Satellites / C & Ku Band



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